

ABSTRACT

The system is provided with a fuel processor for generating
5 hydrogen from a hydrocarbon compound or from mixtures of
hydrocarbon compounds and a combustion path, along which the
generated hydrogen is passed for combustion. Included in the
combustion path is at least one fuel cell for generating
electric energy. The system is further provided with a first
10 heat exchanger and a second heat exchanger which, on the one
hand, are series included in the combustion path downstream of
the fuel cell, a first heating circuit in which the fuel cell is
included, and a second heating circuit in which the fuel
processor is included. The first heat exchanger, on the other
15 hand, is included in the first heating circuit. The second heat
exchanger, on the other hand, is included in the second heating
circuit.